No. 801,071. PATENTED OCT. 3, 1905.

E. C. FOWLER.

BICYCLE BOAT.

APPLICATION FILED OCT. 25, 1904.

2 SHEETS—SHEET 1.

Fig. 1.

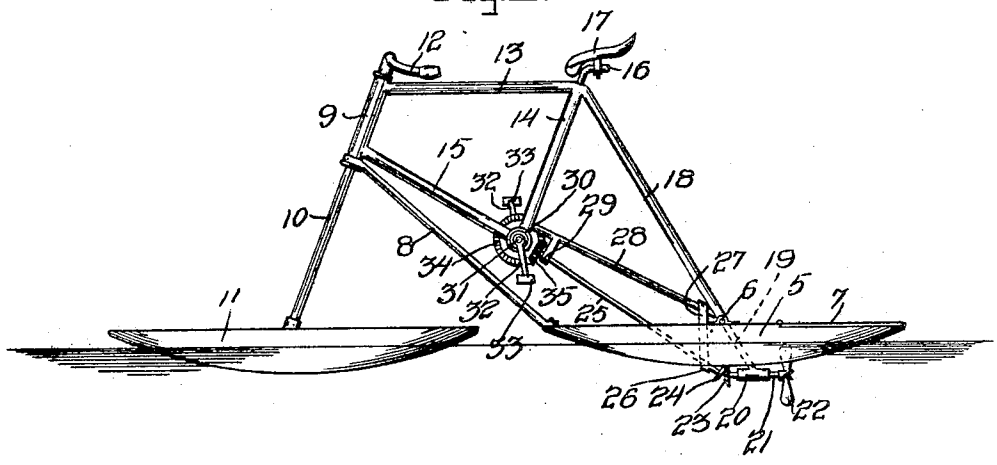
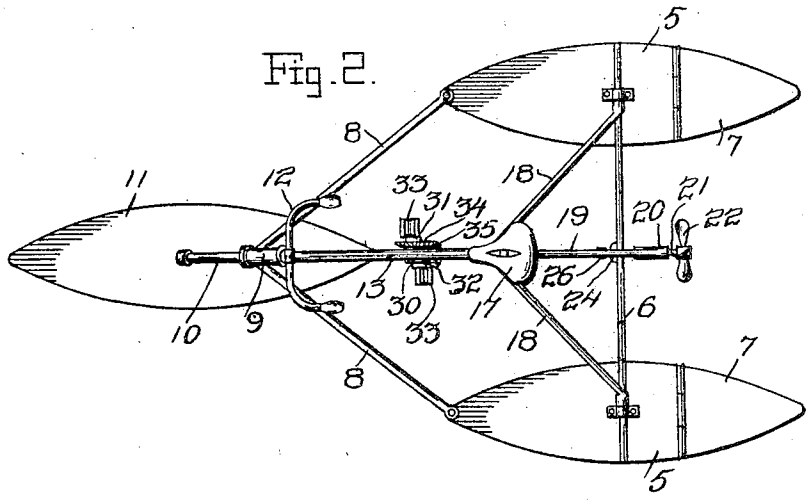


Fig. 2.



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2 SHEETS—SHEET 2.

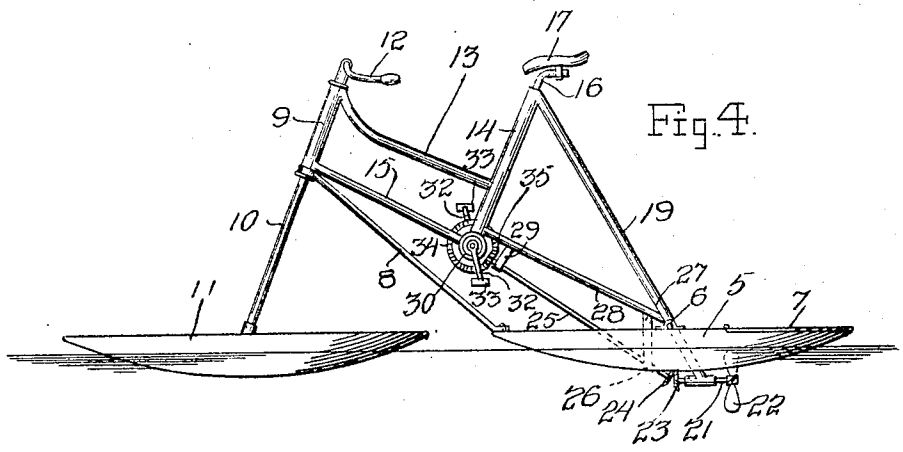


Fig. 4.

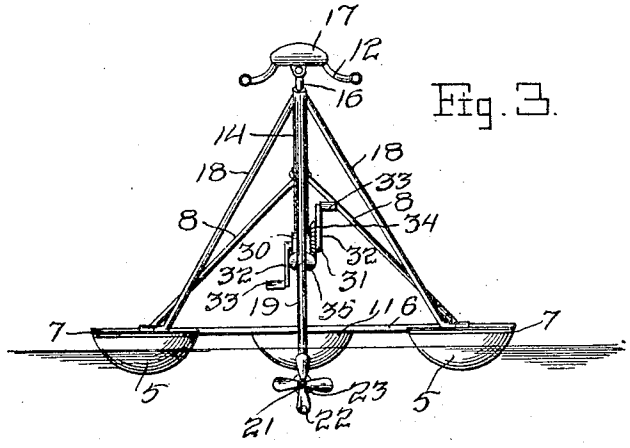


Fig. 3.

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UNITED STATES PATENT OFFICE.

EARNEST CLEAVLAND FOWLER, OF PULASKI, TENNESSEE.

BICYCLE-BOAT.

No. 801,071. Specification of Letters Patent. Patented Oct. 3, 1905.

Application filed October 25, 1904. Serial No. 229,980.

To all whom it may concern:

Be it known that I, EARNEST CLEAVLAND FOWLER, a citizen of the United States, residing at Pulaski, in the county of Giles, State of Tennessee, have invented certain new and useful Improvements in Bicycle-Boats; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to boats, and more particularly to velocipede-boats, and has for its object to provide a boat of this kind which will be simple of construction and which will be strong and durable, a particular arrangement of braces being provided which will prevent derangement of the different parts.

Other objects and advantages will be apparent from the following description, and it will be understood that changes in the specific construction shown and described may be made and that any suitable materials may be used without departing from the spirit of the invention.

In the drawings forming a portion of the specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a side elevation of the present invention. Fig. 2 is a top plan view. Fig. 3 is a rear elevation. Fig. 4 is a view showing a side elevation of a modified form of the invention.

Referring now to the drawings, and more particularly to Figs. 1 to 3, the present invention comprises two parallel floats 5, which are held in spaced relation by a transverse bar 6, secured at its ends thereto. The floats 5 are hollow and are provided with hinged tops 7 in order that articles to be carried may be placed therewithin.

Extending forwardly and diagonally inwardly from the forward ends of the floats are rods 8, which also slant upwardly and are secured at their forward ends to a vertical head 9, such as is found in bicycles.

Revolubly mounted in the head there is a rod 10, having a third plate 11 secured at its lower end, and at its upper end above the head the rod is provided with handle-bars 12. Extending rearwardly from the head 9, at the upper end thereof, there is a rod 13, which is horizontal and which at its rearward end is secured to the upper end of a central rod 14, which slants downwardly and forwardly, and extending upwardly from the lower end of this rod is a rod 15, which is secured at its forward end to the head 9. The rod 14 is hollow and has slidably mounted therein a seat-post 16, which projects beyond its upper end and which is equipped with a seat 17, and extending downwardly from the upper end of the rod 14 are diverging brace-rods 18, which are secured to the floats 5 at the unions of the rod 6 therewith.

Extending downwardly and rearwardly from the upper end of the rod 14 is a rod 19, which is secured to the rod 6 adjacent to the center thereof and projects therebelow, and at its lower end the rod 19 is provided with a bearing 20, in which there is journaled the shaft 21 of a propeller-wheel 22, this shaft projecting forwardly beyond the bearing and carrying a bevel-gear 23, with which is meshed a gear 24, carried by a shaft 25, which is journaled adjacent to its rearward end in a bearing 26, carried by a short rod 27, which is secured at its upper end to the rod 6.

Extending forwardly from the rod 6 and secured to the lower end of the rod 14 at its forward end is a rod 28, having a bearing 29 therein, in which the forward end of the shaft 25 is journaled. At the lower end of the rod 14 there is a bearing 30, in which there is journaled a crank-shaft 31, the cranks 32 of which are provided with pedals 33, and the shaft 31 carries a bevel-gear 34, which is meshed with a similar gear 35, carried by the shaft 25. It will thus be seen that the shaft 31 may be revolved by the feet of a person occupying the seat 17 and that the propeller 22 will be revolved to move the boat through the water. The boat may be steered by the movable float 11, as will be readily understood.

In Fig. 4 there is shown a construction in which the rod 13 is secured to the rod 14 somewhat below the center thereof, so that a boat for ladies' use is provided.

What is claimed is—

A velocipede-boat comprising two spaced floats, a rod connecting the floats, rods secured at their ends to the forward ends of the floats and extending upwardly and inwardly, a hollow head secured to the forward ends of the last-named rods, a rod revolubly mounted in the head and having handle-bars at its upper end, a plate secured to the lower end of the last-named rod, diverging rods extending rearwardly from the head and lying one above the other, said rods being secured at their rearward ends to an upwardly and rearwardly inclined rod, a seat connected with the upper end of said rearwardly-inclined rod, out-

wardly-diverging rods secured to the upper end of the rearwardly-inclined rod and secured at their lower ends to the first-mentioned ones, a third rod secured at its upper end to the upper end of the rearwardly-inclined rod and secured to the first-mentioned rod and extending therebelow, a bearing carried by the lower end of said rod, a shaft revolubly mounted in the bearing, a propeller-wheel carried by the shaft, a bevel-gear carried by the shaft, a hanger secured to the first-mentioned rod and having a bearing in its lower end, a second shaft journaled at one end in the bearing, a gear carried by said shaft and meshed with the first-named gear, a rod extending forwardly from the first-named rod and secured at its forward end to the forward end of the rearwardly-inclined rod, said rod having a bearing therein in which the forward end of the second shaft is journaled, a crank-shaft journaled at the lower end of the rearwardly-inclined rod, connections between the crank-shaft and the second shaft for rotation of the latter by the former, and pedals carried by the cranks of the crank-shaft and lying in position to be engaged by the feet of a person occupying the seat.

In testimony whereof I affix my signature in presence of two witnesses.

EARNEST CLEAVLAND FOWLER.

Witnesses:
J. F. WILSON,
R. C. PERRY.